

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/664, 234B
Source: IFW16
Date Processed by STIC: 12/15/2006

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 12/15/2006
PATENT APPLICATION: US/10/664,234B TIME: 09:40:11

Input Set : A:\3240-105.ST25.txt
Output Set: N:\CRF4\12152006\J664234B.raw

3 <110> APPLICANT: Ruan, Yijun
4 Ng, Patrick
5 Wei, Chialin
7 <120> TITLE OF INVENTION: Method for Gene Identification Signature (GIS) Analysis
9 <130> FILE REFERENCE: 3240-105
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/664,234B
12 <141> CURRENT FILING DATE: 2003-09-17
14 <160> NUMBER OF SEQ ID NOS: 29
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 33
20 <212> TYPE: DNA
21 <213> ORGANISM: Artificial
23 <220> FEATURE:
24 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning
vector
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (1)..(33)
30 <223> OTHER INFORMATION: n is a,c,g, or t
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (1)..(33)
35 <223> OTHER INFORMATION: v is a,c,g
37 <400> SEQUENCE: 1
W--> 38 gagctccttc tggagttttt tttttttttt tvn 33
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 30
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial
46 <220> FEATURE:
47 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning
vector
50 <220> FEATURE:
51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: (1)..(30)
53 <223> OTHER INFORMATION: n is a,t,c or g
55 <400> SEQUENCE: 2
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59 <210> SEQ ID NO: 3
60 <211> LENGTH: 20
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial
64 <220> FEATURE:

65 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

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67 <400> SEQUENCE: 3
 68 gtcggatcca agcggccg 20
 71 <210> SEQ ID NO: 4
 72 <211> LENGTH: 30
 73 <212> TYPE: DNA
 74 <213> ORGANISM: Artificial
 76 <220> FEATURE:
 77 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

80 <220> FEATURE:
 81 <221> NAME/KEY: misc_feature
 82 <222> LOCATION: (1)..(30)
 83 <223> OTHER INFORMATION: n is a,t,c or g
 85 <400> SEQUENCE: 4
 W--> 86 aattcgcggc cgcttggatc cgacgnnnnn 30
 89 <210> SEQ ID NO: 5
 90 <211> LENGTH: 19
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Artificial
 94 <220> FEATURE:
 95 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

97 <400> SEQUENCE: 5
 98 tcgaccagg atccaactt 19
 101 <210> SEQ ID NO: 6
 102 <211> LENGTH: 13
 103 <212> TYPE: DNA
 104 <213> ORGANISM: Artificial
 106 <220> FEATURE:
 107 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

110 <220> FEATURE:
 111 <221> NAME/KEY: misc_feature
 112 <222> LOCATION: (1)..(13)
 113 <223> OTHER INFORMATION: phosphorylation
 115 <400> SEQUENCE: 6
 116 gttggatcct ggg 13
 119 <210> SEQ ID NO: 7
 120 <211> LENGTH: 17
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Artificial
 124 <220> FEATURE:
 125 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

127 <400> SEQUENCE: 7
 128 gtaaaaacgac ggccagt 17
 131 <210> SEQ ID NO: 8
 132 <211> LENGTH: 19
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Artificial
 136 <220> FEATURE:
 137 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector

139 <400> SEQUENCE: 8

RAW SEQUENCE LISTING

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Input Set : A:\3240-105.ST25.txt

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140 ggaaacagct atgaccatg 19
 143 <210> SEQ ID NO: 9
 144 <211> LENGTH: 20
 145 <212> TYPE: DNA
 146 <213> ORGANISM: Artificial
 148 <220> FEATURE:
 149 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector
 151 <400> SEQUENCE: 9
 152 taatacgaact cactataggg 20
 155 <210> SEQ ID NO: 10
 156 <211> LENGTH: 22
 157 <212> TYPE: DNA
 158 <213> ORGANISM: Artificial
 160 <220> FEATURE:
 161 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector
 163 <400> SEQUENCE: 10
 164 gatgtgctgc aaggcgattt ag 22
 167 <210> SEQ ID NO: 11
 168 <211> LENGTH: 23
 169 <212> TYPE: DNA
 170 <213> ORGANISM: Artificial
 172 <220> FEATURE:
 173 <223> OTHER INFORMATION: oligonucleotide primer with homology to bacterial cloning vector
 175 <400> SEQUENCE: 11
 176 agcggataac aatttcacac agg 23
 179 <210> SEQ ID NO: 12
 180 <211> LENGTH: 48
 181 <212> TYPE: DNA
 182 <213> ORGANISM: Artificial
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Oligonucleotide with homolgy to a bacteria cloning vector
 188 <220> FEATURE:
 189 <221> NAME/KEY: misc_feature
 190 <222> LOCATION: (1)..(48)
 191 <223> OTHER INFORMATION: n is a,t,c or g
 193 <400> SEQUENCE: 12
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 197 <210> SEQ ID NO: 13
 198 <211> LENGTH: 48
 199 <212> TYPE: DNA
 200 <213> ORGANISM: Artificial
 202 <220> FEATURE:
 203 <223> OTHER INFORMATION: Oligonucleotide with homolgy to a bacteria cloning vector
 206 <220> FEATURE:
 207 <221> NAME/KEY: misc_feature
 208 <222> LOCATION: (1)..(48)
 209 <223> OTHER INFORMATION: n is a,t,c or g
 211 <400> SEQUENCE: 13
 W--> 212 gatccaactt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcg 48

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Input Set : A:\3240-105.ST25.txt

Output Set: N:\CRF4\12152006\J664234B.raw

215 <210> SEQ ID NO: 14
 216 <211> LENGTH: 29
 217 <212> TYPE: DNA
 218 <213> ORGANISM: Artificial
 220 <220> FEATURE:
 221 <223> OTHER INFORMATION: Oligonucleotide primer with homolgy to a bacteria cloning vector
 224 <220> FEATURE:
 225 <221> NAME/KEY: misc_feature
 226 <222> LOCATION: (1)..(29)
 227 <223> OTHER INFORMATION: phosphorylation
 229 <400> SEQUENCE: 14
 230 cgctctccctg taccgaccct gccgcttac 29
 233 <210> SEQ ID NO: 15
 234 <211> LENGTH: 29
 235 <212> TYPE: DNA
 236 <213> ORGANISM: Artificial
 238 <220> FEATURE:
 239 <223> OTHER INFORMATION: Oligonucleotide primer with homolgy to a bacteria cloning vector
 242 <220> FEATURE:
 243 <221> NAME/KEY: misc_feature
 244 <222> LOCATION: (1)..(29)
 245 <223> OTHER INFORMATION: phosphorylation
 247 <400> SEQUENCE: 15
 248 aactatcgtc ttgagaccaa cccggtaag 29
 251 <210> SEQ ID NO: 16
 252 <211> LENGTH: 24
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Artificial
 256 <220> FEATURE:
 257 <223> OTHER INFORMATION: Oligonucleotide adapter with homolgy to a bacteria cloning vector
 260 <400> SEQUENCE: 16
 261 aattctcgag cggccgcgat atcg 24
 264 <210> SEQ ID NO: 17
 265 <211> LENGTH: 24
 266 <212> TYPE: DNA
 267 <213> ORGANISM: Artificial
 269 <220> FEATURE:
 270 <223> OTHER INFORMATION: Oligonucleotide adapter with homolgy to a bacteria cloning vector
 271 <220> FEATURE:
 275 <221> NAME/KEY: misc_feature
 276 <222> LOCATION: (1)..(24)
 277 <223> OTHER INFORMATION: phosphorylation
 279 <400> SEQUENCE: 17
 280 aattcgatat cgcggccgct cgag 24
 283 <210> SEQ ID NO: 18
 284 <211> LENGTH: 3404
 285 <212> TYPE: DNA

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Input Set : A:\3240-105.ST25.txt
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286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: bacterial cloning vector
291 <400> SEQUENCE: 18

292	gggcgaattc	tcgagcggcc	gcggatccga	cgagagcgcc	tgcgtacggc	tcggcgcggt	60
294	ggctggcgct	acttcggagg	agcccgacgc	ggcgcggctcg	tttttataca	ttcccgcgcg	120
296	gaggcaacgg	aaggcgaaaa	cgccctcgta	ttaggcccgg	gaggtcacag	gtctgttgt	180
298	catgaagggt	aaaataaaat	tttggaaatgg	tgtggccact	tggctctggg	tagccaatga	240
300	tgagaactgc	ggcatctgca	ggatggcggt	taatggctgc	tgtccagact	gtaaggtgcc	300
302	ttgtgatgac	tgccccctcg	tgtggggaca	gtgctccac	tgcttccaca	tgcactgcat	360
304	cctcaagtgg	ctgaatgcgc	agcaggtgca	gcagcaactgc	cccatgtgtc	gccaggagtg	420
306	gaagttcaaa	gagtgaagcc	cggtccgtgc	cacttccctc	tcctgtgtc	tgcaggctc	480
308	agccccctcc	ctccctcccc	tcccccagat	acagcacccc	aagtccctc	cacacagcac	540
310	agtggtgccc	agagatctcg	gtctgtgccg	gggacaagga	tgctttctgt	ttggctggga	600
312	caaggttcaa	aggagtttgc	ctgactgttt	tgttttccca	tcacatttgc	actttattca	660
314	ataagtaaaa	ctcattacag	ttccaaatgtcg	gatcctgggt	cgacctgcag	gatgcaagc	720
316	ttgagtattc	tatgtgtca	ctaaatagc	ttggcgtaat	catggtcata	gctgtttcct	780
318	gtgtgaaatt	tttacccgct	cacaattcca	cacaacatac	gagccgaaag	cataaaagtgt	840
320	aaagcctggg	gtgcctaattg	agttagctaa	ctcacattaa	ttgcgttgcg	ctcaactgccc	900
322	gctttccagt	cggaaacacct	gtcgtgccag	ctgcattaaat	aatcgccca	acgcgcgggg	960
324	agaggcggtt	tgcgtattgg	gcttccttc	tcactgactc	gctcgctcg	1020	
326	gtcgttcggc	tgccggcgagc	ggtatcagct	cactcaaagg	cggttaatacg	gttatccaca	1080
328	gaatcagggg	ataacgcagg	aaagaacatg	tgagcaaaag	gccagaaaa	ggccaggaaac	1140
330	cgtaaaaagg	ccgcgttgct	ggcggttttc	gataggctcc	gccccctga	cgagcatcac	1200
332	aaaaatcgac	gctcaagtca	gaggtggcga	aacccgacag	gactataaag	ataccaggcg	1260
334	tttccccctg	gaagtccttgc	cgtgcgtct	cctgtaccga	ccctgcccgt	taccggatac	1320
336	ctgtccgcct	ttctcccttc	gggaagcggt	gcttccttc	atagctcacg	ctgttaggtat	1380
338	ctcagttcg	tgttaggtcg	tgcgtccaa	ctggcgctgt	tgcacgaacc	ccccgttcag	1440
340	cccgaccgcgt	gccccttatac	cggttaactat	cgtttgaga	ccaaaccgggt	aagacacgcac	1500
342	ttatcgccac	tggcagcagc	cactggtaac	aggattagca	gagcgaggt	tgtaggcggt	1560
344	gctacagatg	tcttgaagtgc	gtggcctaac	tacggctaca	ctagaaggac	agtattttgg	1620
346	atctgcgtc	tgctgaagcc	agttacccctc	ggaaaaagag	ttggtagctc	ttgatccggc	1680
348	aaacaaacca	ccgctggtag	cggtggttt	tttggttgca	agcagcagat	tacgcccaga	1740
350	aaaaaaaggat	ctcaagaaga	tcctttgatc	ttttctacgg	ggctgcacgc	tcagtgaaac	1800
352	aaaaactcac	gttaaggat	tttggtcatg	agattatcaa	aaaggatctt	cacctagatc	1860
354	cttttaaatt	aaaaatgaag	ttttaaatca	atctaaatgt	tatatgatgt	aacttggct	1920
356	gacagttacc	aatgttaat	cagtggcca	cctatctcg	cgatctgtct	atttgcgtca	1980
358	tcctatgttg	cctgactccc	cgctcgtag	ataactacga	tacggggagg	cttaccatct	2040
360	ggcccccgat	ctgcaatgtat	accgcgagac	ccacgctcac	cggtccaga	tttacccat	2100
362	ataaaccaggc	cagccggaa	ggccgagcgc	agaagtggc	ctgcaacttt	atccgcctcc	2160
364	atccagtcata	ttaattgttg	ccggaaagct	agagtaagta	gttgcctgt	taatagtttgc	2220
366	cgcaacgttg	ttggcattgc	tacaggcatc	gtgggtc	gtctgtcg	tgtatggct	2280
368	tcattcagct	ccggctcccc	acgtcaagg	cgagttacat	gatccccat	gttgcataa	2340
370	aaagcggtta	gtcccttcgg	tcctccgatc	gttgcagaa	gttgcataa	cgcaactgtt	2400
372	tcactcatgg	ttatggcagc	actgcataat	tctttactg	tcatgcac	cgtaagatgc	2460
374	ttttctgtga	ctgggtgat	ctcaaccaag	tcattctgag	aatagtgtat	gcggcgaccg	2520
376	agttgtctt	gccccggcgtc	aatacgggat	aataccgcgc	cacatagcag	aactttaaaa	2580
378	gtgtcatca	ttggaaaacg	ttcttcgggg	cgaaaactct	caaggatctt	accgctgttg	2640
380	agatccagtt	cgatgtacc	cactcgatc	cccaactgtat	tttcagcata	ttttacttcc	2700

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/15/2006
PATENT APPLICATION: US/10/664,234B TIME: 09:40:12

Input Set : A:\3240-105.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 33
Seq#:2; N Pos. 25, 26, 27, 28, 29, 30
Seq#:4; N Pos. 26, 27, 28, 29, 30
Seq#:12; N Pos. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28
Seq#:12; N Pos. 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42
Seq#:13; N Pos. 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
Seq#:13; N Pos. 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,27,28
Seq#:29

VERIFICATION SUMMARY DATE: 12/15/2006
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Input Set : A:\3240-105.ST25.txt
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0